



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

022879 LM31/0719
HEWLETT PACKARD COMPANY
P O BOX 272400
INTELLECTUAL PROPERTY ADMINISTRATION
FORT COLLINS CO 80527-2400

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/009,320	01/20/98	011	COOPER, RIDE, F	2723 07/19/00
First Named Applicant ARBULEVICH, 35 USC 154(b) term ext. = 0 Days.				
TITLE OF INVENTION METHOD FOR ADJUSTING DRIVE ROLLER LINEFEED DISTANCE				

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
0 10990070-1	359-001,900	PE7	UTILITY	NO	\$1210.00	10/19/00

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.

THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.
If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number.
Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PATENT AND TRADEMARK OFFICE COPY

Notice of Allowability

Application No.
09/009,320

Applicant(s)
Arquilevich et al

Examiner
Frederick E. Cooperrider

Group Art Unit
2723



All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course.

☒ This communication is responsive to CPA/Preliminary Amdt filed 5/30/00.

☒ The allowed claim(s) is/are 6,8,16-24 (renumbered 1-11).

☒ The drawings filed on Jan 20, 1998 are acceptable.

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) _____.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____.

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE **THREE MONTHS** FROM THE "DATE MAILED" of this Office action. Failure to timely comply will result in ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.

☐ Applicant MUST submit NEW FORMAL DRAWINGS

☐ because the originally filed drawings were declared by applicant to be informal.

☐ including changes required by the Notice of Draftsperson's Patent Drawing Review, PTO-948, attached hereto or to Paper No. _____.

☐ including changes required by the proposed drawing correction filed on _____, which has been approved by the examiner.

☐ including changes required by the attached Examiner's Amendment/Comment.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the reverse side of the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any response to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE/SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

Attachment(s)

☒ Notice of References Cited, PTO-892

☒ Information Disclosure Statement(s), PTO-1449, Paper No(s). 12

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

☐ Interview Summary, PTO-413

☐ Examiner's Amendment/Comment

☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

☒ Examiner's Statement of Reasons for Allowance

JOSEPH MANCINI
LIBRARY EXAM

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The invention as claimed is a series combination of two techniques: (A) the technique of allowing the operator to select a setting for linefeed error based on a series of test patterns, and (B) the technique(s) of modifying a parameter setting to respond to component wear or to print media characteristics. Even if both A and B are considered known in the prior art, no suggestion was found to combine them in series, *ie*, given A, no suggestion was found in the prior art so that a person of ordinary skill in the art would be motivated to add B in series with A.

Nor does the examiner consider that a person of ordinary skill in the art, starting with a printer that already incorporates A and motivated as a routine design decision to add feature B in order to reap the known benefits of correcting for component wear and/or print media characteristics, would arrive at the invention without the benefit of hindsight. The series combination of A and B, as done in the invention, is more than merely combining B with A: the invention allows A to influence B since B actually uses as the value upon which to base its calculations the "normal value" selected by the operator in A. Even if both A and B are considered known, then this interconnection between A and B is not taught in the prior art.

That is to say, the combination of A in series with B additionally provides a marriage of the two techniques so as to produce a feature not found in the prior art: whenever the operator performs technique A then at least one input parameter for technique B is modified. The prior art

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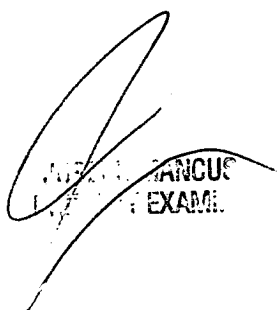
does not seem to have the feature of allowing the operator to arbitrarily modify the preset programs for correcting for component wear and/or print media characteristics.

The closest suggestion found was US Patent 5,439,302 to Andou *et al*, which, based on periodic automatic self tests, updates the adjustment value for a printer parameter (exciting current pulses for a dot impact printer) stored in non volatile memory. The invention differs in that it concerns an entirely different parameter and in that it revises the value stored in memory due to an operator-initiated test and an operator-selected result rather than an automatic periodic self test procedure update. The combination in the invention does not update a parameter using a closed loop feedback system such as demonstrated by Andou.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Frederick E. Cooperrider whose telephone number is (703) 305-2918. The examiner can normally be reached on Tuesday - Friday from 6:30 AM - 4:00 PM and on alternate Mondays from 6:30 AM - 4:00 PM.

fec
July 13, 2000

A handwritten signature in black ink is written over a rectangular stamp. The stamp contains the text "JANU 11 2000" and "EXAM." in a bold, sans-serif font.